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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,595	08/25/2003	Richard Harvey	063170.6609	4259
5073 7590 01/16/2007 BAKER BOTTS L.L.P. 2001 ROSS AVENUE SUITE 600 DALLAS, TX 75201-2980			EXAMINER LEWIS, ALICIA M	
			ART UNIT 2164	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE		NOTIFICATION DATE		DELIVERY MODE
3 MONTHS		01/16/2007		ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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Office Action Summary

Application No.

10/648,595

Applicant(s)

HARVEY ET AL.

Examiner

Alicia M. Lewis

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/20/2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.



SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This office action is responsive to communication filed October 20, 2006. Claims 1 and 8 have been amended, and all other claims remain in original form. Therefore, claims 1-14 are pending in this application.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-14 are rejected under 35 U.S.C. 101 because the claimed invention lacks patentable utility. The invention described in claims 1-14 does not appear to have any use nor is it being used for anything. Therefore claims 1-14 are rejected as not producing a useful result.

Furthermore, claims 1-14 rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claims are just a set of objects that do not change or add functionality to a computer. Therefore, the claims are rejected as being an abstract idea, directed solely to non-functional descriptive material.

Lastly, claims 1-7 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The language of the claims raises a question as to whether the claims are directed merely to an abstract idea which would not result in a practical application producing a concrete, useful, and tangible result to from the basis of statutory subject matter under 35 U.S.C. 101. More specifically, the claims are rejected as not producing a tangible result.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Murto et al. (US Patent Application Publication 2004/0213409 A1) ('Murto').

With respect to claims 1 and 8, Murto teaches:

arranging user object(s) under a repository layer comprising one or more repository objects collectively forming a prefix, each user object representing a web services account (Figure 4A, paragraphs 12, 94 and 169);

arranging business entity object(s) under user object(s) (Figure 4A, paragraphs 59-60 and 116-121); and

arranging corresponding tModel object(s) under at least one of user object(s), repository object and prefix (paragraphs 59, 61 and 63).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2-7 and 9-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murto et al. (US Patent Application Publication 2004/0213409 A1) ('Murto') in view of Gadbois et al. (US Patent Application Publication 2004/0002955 A1) ('Gadbois').

With respect to claims 2 and 9, Murto teaches claims 1 and 8.

Murto does not teach arranging publisher assertion object(s) under business entity object(s).

Gadbois teaches information model mapping with shared directory tree representations (see abstract), in which he teaches arranging publisher assertion object(s) under business entity object(s) (elements 222, 224, 252, 254, 282 and 284 in Figure 2, paragraphs 28-29).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Murto by the teaching of Gadbois because arranging publisher assertion object(s) under business entity object(s) would enable an efficient means of recording and publishing assertions regarding business organization relationships (peer-to-peer, parent-subsidary, etc.) by different business organizations or their authorized publishing entities and an efficient means of managing publisher assertions (Gadbois, paragraph 4).

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With respect to claims 3 and 10, Murto as modified teaches further comprising providing service projection object(s) under business entity object(s) (Gadbois, elements 222, 224, 242, 243, 244, 272 and 274 in Figure 2, paragraph 28).

With respect to claims 4 and 11, Murto as modified teaches wherein the service projection object(s) is implemented as an alias (Gadbois, elements 242, 243, 244, 245 and 246 in Figure 2, paragraphs 28 and 29).

With respect to claims 5 and 12, Murto as modified teaches further comprising first field(s) as attributes of publisher assertion object(s) (Gadbois, elements 254 and 284 in Figure 2, paragraph 33).

Gadbois teaches that publisher assertion names (PublisherAssertion1 and PublisherAssertion2) and publisher names (Publisher1 and Publisher2) are attributes of publisher assertion object(s).

With respect to claims 6 and 13, Murto as modified teaches further comprising representing a keyed reference by an auxiliary class (Gadbois, paragraphs 38-39).

Gadbois discloses that a fromKey, toKey, and keyedReference are all included when publisher assertions are added to a directory information tree (DIT). One having ordinary skill in the art recognizes that these included attributes represent an auxiliary class because they are added to publisher assertion objects instances rather than to the entire class of objects.

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With respect to claims 7 and 14, Murto as modified teaches further comprising providing a distinguished name of an object revealing a chain of ownership and control for the object (Gadbois, Figure 2, paragraphs 27-29).

Response to Arguments

6. Applicant's arguments with respect to claims 1-14 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Lewis whose telephone number is 571-272-5599. The examiner can normally be reached on Monday - Friday, 9 - 6:30, alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on 571-272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alicia Lewis
January 3, 2007



SAM RIMELL
PRIMARY EXAMINER